

Recombinant Mouse CLEC4E Protein (46-214 aa), His-tagged

Cat. No. CLEC4E-2057M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CLEC4E Protein (46-214 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Immunology. Protein Description: Partial.
Species	Mouse
Source	E.coli
ProteinLength	46-214 aa
Description	C-type lectin that functions as cell-surface receptor for a wide variety of ligands such as damaged cells, fungi and mycobacteria. Plays a role in the recognition of pathogenic fungi, such as Candida albicans. The detection of mycobacteria is via trehalose 6,6'-dimycolate (TDM), a cell wall glycolipid. Specifically recognizes alpha-mannose residues on pathogenic fungi of the genus Malassezia. Recognizes also SAP130, a nuclear protein, that is released by dead or dying cells. Transduces signals through an ITAM-containing adapter protein, Fc receptor gamma chain /FCER1G. Induces secretion of inflammatory cytokines through a pathway that depends on SYK, CARD9 and NF-kappa-B.
Form	Tris-based buffer,50% glycerol
Molecular Mass	23.6 kDa
AA Sequence	TYRSSQISGQNLQPHRNIKELSCYSEASGSVKNCCLNWKHYQSSCYFFSTTTLTW

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	SSSLKNCSDMGAHLVVIDTQEEQEFLFRTKPKRKEFYIGLTDQVVEGQWQWVDDTP FTESLSFWDAGEPNNIVLVEDCATIRDSSNSRKNWNDIPCFYSMPWICEMPEISPLD
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

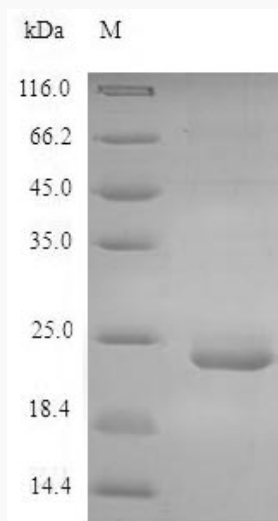
GENE INFORMATION

Gene Name	Clec4e C-type lectin domain family 4, member e [<i>Mus musculus</i>]
Official Symbol	CLEC4E
Synonyms	CLEC4E; C86253; Mincle; Clecsf9;
Gene ID	56619
mRNA Refseq	NM_019948
Protein Refseq	NP_064332
UniProt ID	Q9R0Q8

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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